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October 28, 2016

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC– Monthly Fuel Report**
Docket No. 2006-176-E

Dear Mrs. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's ("DEP") Monthly Fuel Report in Docket No. 2006-176-E for the month of September 2016.

Additionally, pursuant to Commission Order No. 2012-517 issued July 11, 2012 in Docket No. 2011-158-E, the South Carolina retail customers of Duke Energy Carolinas, LLC ("DEC") and DEP (collectively, the "Utilities") were guaranteed receipt of their allocable share of $650 million in fuel and fuel-related cost savings resulting from the Duke Energy Corporation ("Duke") and Progress Energy, Inc. merger over a five-year period through the annual fuel charge proceedings of the Utilities. The total amount of guaranteed savings was increased to $686.8 million as a result of the Settlement Agreement between Duke, the North Carolina Utilities Commission ("NCUC") Staff, and the NCUC Public Staff that was approved by the NCUC on December 3, 2012 in Docket No. E-7, Sub 1017. Lastly, pursuant to the Settlement Agreement among Duke, Piedmont Natural Gas Company, Inc. ("Piedmont"), and Carolina Utility Customers Association in connection with Duke's acquisition of Piedmont, the total amount of guaranteed savings was increased by an additional $35 million, bringing the total guaranteed amount to $721.8 million.

DEP has tracked these savings since the Duke/Progress Merger in Schedule 11 of its monthly fuel report filed with the Commission. The monthly report filed today demonstrates that as of September 2016, DEP has exceeded the $721.8 million in guaranteed merger fuel-related savings. As a result, DEP will no longer include Schedule 11 in its monthly fuel reports as the relevant commitments have been satisfied. Nevertheless, DEP and DEC's merger fuel-related savings, although no longer tracked on Schedule 11, will continue to accrue to the benefit of the Utilities' customers,

and the Joint Dispatch Agreement between the Utilities will continue as well, with the joint dispatch savings continuing to be shared between the Utilities and their respective customers.

Should you have any questions regarding this matter, please do not hesitate to contact me at 704-382-4499.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Mr. Jeffrey M. Nelson, Office of Regulatory Staff
Ms. Shannon Bowyer Hudson, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Michael Seaman-Huynh, Office of Regulatory Staff
Ms. Heather Shirley Smith, Duke Energy
Mr. Scott Elliott, Elliott & Elliott, P.A.
Mr. Garrett Stone, Brickfield, Burchette, Ritts & Stone, PC
Mr. Gary Walsh, Walsh Consulting, LLC

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item		September 2016
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	137,253,145
	MWH sales:		6,267,096
2	Total System Sales		546,110
3	Less intersystem sales		
			5,720,986
4	Total sales less intersystem sales		
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.3991
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.3651
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		1,423,899
8	Oil		3,667
9	Natural Gas - Combustion Turbine		246,303
10	Natural Gas - Combined Cycle		1,374,111
11	Total Fossil		3,047,980
12	Nuclear		2,451,593
13	Hydro - Conventional		12,960
14	Solar Distributed Generation		20,458
15	Total MWH generation		5,532,991

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		September 2016
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0456949 coal blending merger savings	$	(204,803)
0501016 coal procurement merger savings		303,754
0501016 transportation merger savings		894,789
0501110 coal consumed - steam		45,740,838
0501310 fuel oil consumed - steam		409,312
Total Steam Generation - Account 501		47,143,890
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		16,360,729
0518500 nuclear fuel savings		-
0518600 - Disposal Cost		-
Total Nuclear Generation - Account 518		16,360,729
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		10,666,737
0547000 natural gas consumed - Combined Cycle		41,223,590
0547123 gas capacity merger savings		(69,334)
0547200 fuel oil consumed		14,075
Total Other Generation - Account 547		51,835,068
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		29,116,211
PURPA purchased power capacity		6,145,585
Total Purchased Power and Net Interchange - Account 555		35,261,796
Less fuel and fuel-related costs recovered through intersystem sales - Account 447		15,602,448
Total Costs Included in Base Fuel Component	$	134,999,035
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	14,149
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		2,600,916
0502160 reagent procurement merger savings		(5,726)
Emission Allowance Gains		(36,500)
Less reagents expense recovered through intersystem sales - Account 447		252,643
Less emissions expense recovered through intersystem sales - Account 447		66,086
Total Costs Included in Environmental Component		2,254,110
Fuel and Fuel-related Costs excluding DERP incremental costs	$	137,253,145
DERP Incremental Costs		93,197
Total Fuel and Fuel-related Costs	$	137,346,342

Notes: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

SEPTEMBER 2016

Purchased Power	Total	Capacity		Non-capacity		
Marketers, Utilities, Other	$	mW	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 9,632,584	837	$ 5,116,600	83,194	$ 4,515,984	-
City of Fayetteville	924,189	220	928,000	-	(3,811)	-
Haywood EMC	29,650	7	29,650	-	-	-
NCEMC	3,415,591	566	2,075,355	31,132	1,340,236	-
PJM Interconnection, LLC.	3	-	-	-	3	-
Smurfit Stone Container Corp	6,745	-	-	207	6,745	-
Southern Company Services	3,957,133	150	648,648	103,096	3,308,485	-
DE Carolinas - Native Load Transfer	3,148,027	-	-	122,775	3,102,953	$ 45,074
DE Carolinas - Native Load Transfer Benefit	74,007	-	-	-	74,007	-
DE Carolinas - Fees	158,216	-	-	-	158,216	-
Generation Imbalance	588			8	329	259
	$ 21,346,733	**1,780**	**$ 8,798,253**	**340,412**	**$ 12,503,147**	**$ 45,333**
Act 236 PURPA Purchases						
Renewable Energy	$ 22,374,322	-	$ -	311,697	$ 22,374,322	-
Other Qualifying Facilities	384,327	-	-	(15,987)	384,327	-
	$ 22,758,649	**-**	**$ -**	**295,710**	**$ 22,758,649**	**$ -**
Total Purchased Power	**$ 44,105,382**	**1,780**	**$ 8,798,253**	**636,122**	**$ 35,261,796**	**$ 45,333**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

SEPTEMBER 2016

	Total	Capacity		Non-capacity		
Sales	$	mW	$	mWh	Fuel $	Non-fuel $
Utilities:						
SC Public Service Authority - Emergency	$ (227)	-	-	-	-	$ (227)
Market Based:						
NCEMC Purchase Power Agreement	878,137	150	$ 652,500	6,217	$ 201,704	23,933
PJM Interconnection, LLC.	342,417	-	-	5,995	242,581	99,836
Other:						
DE Carolinas - Native Load Transfer Benefit	588,944	-	-	-	588,944	-
DE Carolinas - Native Load Transfer	16,029,690	-	-	533,748	14,884,039	1,145,651
Generation Imbalance	4,701	-	-	150	3,908	793
Total Intersystem Sales	**$ 17,843,662**	**150**	**$ 652,500**	**546,110**	**$ 15,921,176**	**$ 1,269,986**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
Over / (Under) Recovery of Fuel Costs
September 2016

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					5,720,986,278
2	DERP Net Metered kWh generation	Input					17,475
3	Adjusted System kWh sales	L1 + L2					5,721,003,753
4	Actual S.C. Retail kWh sales	Input	197,627,029	30,610,992	308,429,989	7,719,147	544,387,157
5	DERP Net Metered kWh generation	Input	14,721	2,754	-		17,475
6	Adjusted S.C. Retail kWh sales	L4 + L5	197,641,750	30,613,746	308,429,989	7,719,147	544,404,632
7	Actual S.C. Demand units (kw)	L32 / 31b *100			704,133		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$128,853,451
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$575
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$128,854,026
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.252
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$4,451,480	$689,513	$6,946,761	$173,858	$12,261,612
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($339)	($33)	($204)	$0	($575)
14	S.C. Retail portion of incurred system expense	L12 + L13	$4,451,141	$689,480	$6,946,557	$173,858	$12,261,037
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.229	2.229	2.229	2.229	2.229
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$4,404,372	$682,319	$6,874,904	$172,060	$12,133,655
17	DERP NEM incentive - fuel component	Input	($80)	($8)	($48)	$0	($136)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$4,404,292	$682,311	$6,874,856	$172,060	$12,133,519
19	S.C. base fuel - non-capacity over/(under) recovery	L18 - L14	($46,850)	($7,169)	($71,701)	($1,798)	($127,518)
20	Adjustment	Input	$0	$0	$0	$0	$0
21	Total S.C. base fuel - non-capacity over/(under) recovery	L19 + L20	($46,850)	($7,169)	($71,701)	($1,798)	($127,518)
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.174	0.109			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L9 * 100			29		
23	Incurred S.C. base fuel - capacity expense	Input	$344,394	$33,351	$207,045		$584,790
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.181	0.128			
24b	Billed base fuel - capacity rate (¢/kW)	Input			30		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$356,899	$39,182	$ 211,277	$0	$607,358
26	S.C. base fuel - capacity over/(under) recovery	L25 - L23	$12,505	$5,831	$4,232	$0	$22,568
27	Adjustment	Input	$0	$0	$0	$0	$0
28	Total S.C. base fuel - capacity over/(under) recovery	L26 + L27	$12,505	$5,831	$4,232	$0	$22,568
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.064	0.040			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			11		
30	Incurred S.C. environmental expense	Input	$126,318	$12,233	$75,941		$214,492
31a	Billed environmental rates by class (¢/kWh)	Input	0.042	0.031			
31b	Billed environmental rate (¢/kW)	Input			6		
32	Billed S.C. environmental revenue	L31a * L4 /100	$82,362	$9,489	$ 42,248		$134,099
33	S.C. environmental over/(under) recovery	L32 - L30	($43,956)	($2,744)	$ (33,693)	$0	($80,393)
34	Adjustment	Input	$0	$0	$0	$0	$0
35	Total S.C. environmental over/(under) recovery	L33 + L34	($43,956)	($2,744)	($33,693)	$0	($80,393)
36	Total over / (under) recovery	L21 + L28 + L35	($78,301)	($4,082)	($101,162)	($1,798)	($185,343)

Duke Energy Progress
Over / (Under) Recovery of Fuel Costs
September 2016

Year 2016-2017

	Cumulative over / (under) recovery	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Subtotal	Prior Period Adjustments	Total
	Balance ending February 2016	(8,178,450)							
	March 2016 - actual	(5,113,937)	$1,257,169	$149,823	$1,614,366	$43,155	$3,064,513	$0	$3,064,513
_/2	April 2016 - actual	(2,862,055)	$579,097	$91,208	$1,546,143	$35,434	$2,251,882	$0	$2,251,882
	May 2016 - actual	(2,055,487)	$166,326	$33,470	$597,607	$9,165	$806,568	$0	$806,568
_/2	June 2016 - actual	(1,637,768)	$134,334	$21,348	$171,533	$18,077	$345,292	$72,427	$417,719
	July 2016 - actual	(4,666,718)	($1,099,935)	($153,840)	($1,737,737)	($37,438)	($3,028,950)	$0	($3,028,950)
	August 2016 - actual	(6,588,776)	($647,989)	($90,105)	($1,162,202)	($21,762)	($1,922,058)	$0	($1,922,058)
	September 2016 - actual	(6,774,119)	($78,301)	($4,082)	($101,162)	($1,798)	($185,343)	$0	($185,343)
_/3	October 2016 - forecast	(7,417,562)	($232,508)	($25,974)	($374,863)	($10,098)	($643,443)	$0	($643,443)
_/3	November 2016 - forecast	(6,676,967)	$332,604	$26,539	$372,108	$9,344	$740,595	$0	$740,595
_/3	December 2016 - forecast	(6,526,143)	$129,464	($7,043)	$28,502	($99)	$150,824	$0	$150,824
_/3	January 2017 - forecast	(6,612,604)	$58,959	($14,214)	($129,110)	($2,096)	($86,461)	$0	($86,461)
_/3	February 2017 - forecast	(6,591,669)	$58,164	($7,964)	($29,709)	$444	$20,935	$0	$20,935
_/3	March 2017 - forecast	(7,640,265)	($321,664)	($44,048)	($665,738)	($17,146)	($1,048,596)	$0	($1,048,596)
_/3	April 2017 - forecast	(7,595,526)	($71,846)	$3,504	$110,330	$2,751	$44,739	$0	$44,739
_/3	May 2017 - forecast	(6,683,535)	$253,800	$46,260	$597,089	$14,842	$911,991	$0	$911,991
_/3	June 2017 - forecast	(6,661,397)	($22,409)	($1,941)	$45,804	$684	$22,138	$0	$22,138

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
37	Incurred S.C. DERP incremental expense	Input	$54,885	$24,098	$14,214	$93,197
38	Billed S.C. DERP incremental rates by account ($/account)	Input	0.35	0.70	62.56	
39	Billed S.C. DERP incremental revenue	Input	$48,180	$22,564	$16,441	$87,185
40	S.C. DERP incremental over/(under) recovery	L39 - L37	($6,705)	($1,534)	$2,227	($6,012)
41	Adjustment	Input	$0	$0	$0	$0
42	Total S.C. DERP incremental over/(under) recovery	L40 + L41	($6,705)	($1,534)	$2,227	($6,012)

Year 2016-2017

	Cumulative over / (under) recovery	Cumulative	Residential	Commercial	Industrial	Subtotal	Prior Period Adjustments	Total
	Balance ending February 2016	(409,036)						
	March 2016 - actual	(332,983)	$47,587	$24,676	$3,790	$76,053	$0	$76,053
_/2	April 2016 - actual	(239,880)	$57,498	$29,093	$6,512	$93,103	$0	$93,103
	May 2016 - actual	(230,645)	$8,264	$7,454	($6,483)	$9,235	$0	$9,235
	June 2016 - actual	(363,127)	($75,641)	($29,326)	($27,515)	($132,482)	$0	($132,482)
	July 2016 - actual	(227,737)	$76,605	$35,021	$23,764	$135,390	$0	$135,390
	August 2016 - actual	(230,217)	($5,161)	($836)	$3,517	($2,480)	$0	($2,480)
	September 2016 - actual	(236,229)	($6,705)	($1,534)	$2,227	($6,012)	$0	($6,012)
_/3	October 2016 - forecast	(232,116)	$121	($11)	$4,003	$4,113	$0	$4,113
_/3	November 2016 - forecast	(238,075)	($5,855)	($2,639)	$2,535	($5,959)	$0	($5,959)
_/3	December 2016 - forecast	(253,701)	($11,565)	($5,098)	$1,037	($15,626)	$0	($15,626)
_/3	January 2017 - forecast	(280,942)	($18,310)	($8,106)	($825)	($27,241)	$0	($27,241)
_/3	February 2017 - forecast	(315,755)	($22,743)	($10,080)	($1,990)	($34,813)	$0	($34,813)
_/3	March 2017 - forecast	(411,985)	($58,822)	($25,969)	($11,439)	($96,230)	$0	($96,230)
_/3	April 2017 - forecast	(520,519)	($66,107)	($29,157)	($13,270)	($108,534)	$0	($108,534)
_/3	May 2017 - forecast	(638,504)	($71,670)	($31,571)	($14,744)	($117,985)	$0	($117,985)
_/3	June 2017 - forecast	(765,868)	($77,181)	($33,994)	($16,189)	($127,364)	$0	($127,364)

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.246 and RECD 5% discount.
_/2 Includes prior period adjustments.
_/3 Forecast amounts based on low end of range of expected fuel rates.

Duke Energy Progress
Fuel and Fuel Related Cost Report
September 2016

Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	$2,750,206	-	$37,278,521	$124,939
Oil	22,202	-	404,477	45,573	28,862	-	179,700	211,199
Gas - CC	-	16,725,847	13,473,298	-	-	-	-	-
Gas - CT	24	-	-	-	-	1,613,395	-	-
Total	$22,226	$16,725,847	$13,877,775	$45,573	$2,779,068	$1,613,395	$37,458,221	$336,138
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	312.09	-	309.10	0.00
Oil	1,081.97	-	1,126.02	1,482.05	1,584.08	-	1,005.31	1,005.33
Gas - CC	-	418.88	469.58	-	-	-	-	-
Gas - CT	-	-	-	-	-	396.88	-	-
Weighted Average	1,083.14	418.88	477.70	1,482.05	314.71	396.88	310.13	1,600.05
Cost of Fuel Burned ($)								
Coal	-	-	-	-	$3,460,783	-	$31,781,471	$10,498,584
Oil - CC	-	2,012	-	-	-	-	-	-
Oil - Steam/CT	5,956	-	-	-	26,071	-	202,288	180,953
Gas - CC	-	16,725,847	13,473,298	-	-	-	-	-
Gas - CT	24	-	-	-	-	1,613,395	-	-
Nuclear	-	-	-	2,933,408	-	-	-	-
Total	$5,979	$16,727,860	$13,473,298	$2,933,408	$3,486,854	$1,613,395	$31,983,760	$10,679,536
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	298.66	-	310.64	355.16
Oil - CC	-	1,800.55	-	-	-	-	-	-
Oil - Steam/CT	1,549.56	-	-	-	1,420.54	-	993.88	1,001.93
Gas - CC	-	418.88	469.58	-	-	-	-	-
Gas - CT	-	-	-	-	-	396.88	-	-
Nuclear	-	-	-	60.49	-	-	-	-
Weighted Average	1,555.68	418.92	469.58	60.49	300.44	396.88	311.99	359.09
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	3.89	-	3.02	3.73
Oil - CC	-	18.00	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	19.20	-	9.82	10.53
Gas - CC	-	3.07	3.32	-	-	-	-	-
Gas - CT	-	-	-	-	-	4.46	-	-
Nuclear	-	-	-	0.66	-	-	-	-
Weighted Average	-	3.07	3.32	0.66	3.91	4.46	3.03	3.78
Burned MBTU's								
Coal	-	-	-	-	1,158,756	-	10,231,104	2,956,035
Oil - CC	-	112	-	-	-	-	-	-
Oil - Steam/CT	384	-	-	-	1,835	-	20,353	18,060
Gas - CC	-	3,993,022	2,869,215	-	-	-	-	-
Gas - CT	-	-	-	-	-	406,520	-	-
Nuclear	-	-	-	4,849,326	-	-	-	-
Total	384	3,993,134	2,869,215.00	4,849,326	1,160,591	406,520.00	10,251,457	2,974,096
Net Generation (mWh)								
Coal	-	-	-	-	89,072	-	1,053,671	281,156
Oil - CC	-	11	-	-	-	-	-	-
Oil - Steam/CT	(14)	-	(39)	-	136	-	2,060	1,718
Gas - CC	-	545,476	406,177	-	-	-	-	-
Gas - CT	(36)	-	-	-	-	36,171	-	-
Nuclear	-	-	-	441,462	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	(50)	545,487	406,138	441,462	89,208	36,171	1,055,731	282,874
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$294,859	$79,691
Limestone	-	-	-	-	99,118	-	1,041,450	299,708
Re-emission Chemical	-	-	-	-	-	-	117,168	-
Sorbents	-	-	-	-	0	-	412,239	164,143
Urea	-	-	-	-	76,899	-	-	-
Total	-	-	-	-	176,017	-	1,748,547	543,542

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Fuel cost information on this report does not reflect intercompany sharing of fuel-related merger savings between Duke Energy Carolinas and Duke Energy Progress.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Duke Energy Progress
Fuel and Fuel Related Cost Report
September 2016

Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME September 2016
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$40,153,666	$362,789,051
Oil	(5,134)	-	-	-	-	(8,815)	878,064	18,131,412
Gas - CC	-	-	-	-	11,024,445	-	41,223,590	540,091,289
Gas - CT	-	-	987,062	383,192	7,683,064	-	10,666,737	142,675,887
Total	(5,134)	-	$987,062	$383,192	$18,707,509	(8,815)	$92,922,057	$1,063,687,639
Average Cost of Fuel Purchased (¢/MBTU								
Coal	-	-	-	-	-	-	310.27	321.74
Oil	-	-	-	-	-	-	1,074.04	1,071.30
Gas - CC	-	-	-	-	380.16	-	422.28	391.97
Gas - CT	-	-	360.10	410.43	379.76	-	381.35	348.51
Weighted Average	-	-	360.10	410.43	380.00	-	363.23	362.81
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$45,740,838	$384,344,124
Oil - CC	-	-	-	-	-	-	2,012	447,912
Oil - Steam/CT	-	-	6,106	-	-	-	421,374	16,126,429
Gas - CC	-	-	-	-	11,024,445	-	41,223,590	540,091,289
Gas - CT	-	-	987,062	383,192	7,683,064	-	10,666,737	142,675,887
Nuclear	8,660,809	-	-	-	-	4,766,512	16,360,729	197,728,811
Total	$8,660,809	$0	$993,169	$383,192	$18,707,509	$4,766,512	$114,415,280	$1,281,414,453
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	318.84	327.59
Oil - CC	-	-	-	-	-	-	1,800.55	2,091.88
Oil - Steam/CT	-	-	1,799.70	-	-	-	1,028.43	1,355.81
Gas - CC	-	-	-	-	380.16	-	422.28	391.97
Gas - CT	-	-	360.10	410.43	379.76	-	381.35	348.51
Nuclear	62.96	-	-	-	-	67.75	63.81	63.59
Weighted Average	62.96	-	361.88	410.43	380.00	67.75	217.57	210.68
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.21	3.49
Oil - CC	-	-	-	-	-	-	18.00	24.02
Oil - Steam/CT	-	-	19.86	-	-	-	11.53	17.96
Gas - CC	-	-	-	-	2.61	-	3.00	2.80
Gas - CT	-	-	4.05	5.23	4.30	-	4.33	3.86
Nuclear	0.65	-	-	-	-	0.71	0.67	0.66
Weighted Average	0.65	-	4.07	5.39	3.11	0.71	2.07	1.98
Burned MBTU's								
Coal	-	-	-	-	-	-	14,345,895	117,325,399
Oil - CC	-	-	-	-	-	-	112	21,412
Oil - Steam/CT	-	-	339	-	-	-	40,973	1,189,433
Gas - CC	-	-	-	-	2,899,939	-	9,762,176	137,788,390
Gas - CT	-	-	274,110	93,364	2,023,128	-	2,797,122	40,939,099
Nuclear	13,756,765	-	-	-	-	7,035,006	25,641,098	310,963,669
Total	13,756,765	-	274,449	93,364	4,923,067	7,035,006	52,587,375	608,227,401
Net Generation (mWh)								
Coal	-	-	-	-	-	-	1,423,899	11,016,415
Oil - CC	-	-	-	-	-	-	11	1,865
Oil - Steam/CT	-	(27)	31	(209)	-	-	3,655	89,767
Gas - CC	-	-	-	-	422,458	-	1,374,111	19,268,946
Gas - CT	-	-	24,372	7,320	178,476	-	246,303	3,697,051
Nuclear	1,337,730	-	-	-	-	672,401	2,451,593	30,013,730
Hydro (Total System)							12,960	643,110
Solar (Total System)							20,458	145,847
Total	1,337,730	(27)	24,403	7,111	600,934	672,401	5,532,991	64,876,730
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$15,641	-	$390,192	$3,154,768
Limestone	-	-	-	-	-	-	1,440,275	9,731,030
Re-emission Chemical	-	-	-	-	-	-	117,168	117,168
Sorbents	-	-	-	-	-	-	576,382	3,634,261
Urea	-	-	-	-	-	-	76,899	1,016,138
Total	-	-	-	-	15,641	-	2,600,916	17,653,365

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
September 2016

Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	62,819
Tons received during period	-	-	-	-	34,714
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	45,388
Ending balance	-	-	-	-	52,145
MBTUs per ton burned	-	-	-	-	25.53
Cost of ending inventory ($/ton)	-	-	-	-	76.25
Oil Data:					
Beginning balance	646,080	-	2,925,124	65,710	3,095,203
Gallons received during period	14,867	-	260,294	22,285	13,200
Miscellaneous use and adjustments	(227)	-	-	(9,955)	(4,470)
Gallons burned during period	2,746	-	-	-	13,351
Ending balance	657,974	-	3,185,418	78,040	3,090,582
Cost of ending inventory ($/gal)	2.17	-	2.80	2.60	1.95
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	3,836,266	2,782,579	-	391,476
MCF burned during period	-	3,836,266	2,782,579	-	391,476
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	17,525
Tons received during period	-	-	-	-	2,298
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	2,579
Ending balance	-	-	-	-	17,244
Cost of ending inventory ($/ton)	-	-	-	-	36.05

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	740,138	390,852	-	-	-
Tons received during period	471,175	-	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	395,932	125,853	-	-	-
Ending balance	815,381	264,999	-	-	-
MBTUs per ton burned	25.84	23.49	-	-	-
Cost of ending inventory ($/ton)	80.26	83.42	-	-	-
Oil Data:					
Beginning balance	473,779	264,913	168,829	810,339	11,862,409
Gallons received during period	129,530	152,235	-	-	-
Miscellaneous use and adjustments	(7,627)	(6,692)	-	-	-
Gallons burned during period	146,715	130,854	-	-	3,275
Ending balance	448,967	279,602	168,829	810,339	11,859,134
Cost of ending inventory ($/gal)	1.38	1.38	2.91	2.34	2.48
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	262,745
MCF burned during period	-	-	-	-	262,745
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	58,087	18,249	-	-	-
Tons received during period	25,748	10,075	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	29,377	8,520	-	-	-
Ending balance	54,458	19,804	-	-	-
Cost of ending inventory ($/ton)	32.31	32.23	-	-	-

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
September 2016

Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME September 2016
Coal Data:					
Beginning balance	-	-	-	1,193,809	1,410,925
Tons received during period	-	-	-	505,889	4,495,277
Inventory adjustments	-	-	-	-	(95,406)
Tons burned during period	-	-	-	567,173	4,678,271
Ending balance	-	-	-	1,132,525	1,132,525
MBTUs per ton burned	-	-	-	25.29	25.08
Cost of ending inventory ($/ton)	-	-	-	80.82	80.82
Oil Data:					
Beginning balance	10,155,711	7,866,300	289,891	38,624,288	35,777,281
Gallons received during period	-	-	-	592,411	12,264,196
Miscellaneous use and adjustments	-	-	-	(28,971)	(312,276)
Gallons burned during period	-	-	-	296,941	8,838,414
Ending balance	10,155,711	7,866,300	289,891	38,890,787	38,890,787
Cost of ending inventory ($/gal)	2.44	2.35	2.91	2.40	2.40
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	90,481	4,776,597	-	12,140,144	172,817,183
MCF burned during period	90,481	4,776,597	-	12,140,144	172,817,183
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	93,861	81,792
Tons received during period	-	-	-	38,121	281,025
Inventory adjustments	-	-	-	-	11,405
Tons consumed during period	-	-	-	40,476	282,716
Ending balance	-	-	-	91,506	91,506
Cost of ending inventory ($/ton)	-	-	-	33.00	33.00

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

SEPTEMBER 2016

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	-	$ -	-
	CONTRACT	34,714	2,573,239	74.13
	ADJUSTMENTS	-	176,968	-
	TOTAL	34,714	2,750,207	79.23
MAYO	SPOT	-	-	-
	CONTRACT	-	(2,327)	-
	ADJUSTMENTS	-	127,266	-
	TOTAL	-	124,939	-
ROXBORO	SPOT	-	-	-
	CONTRACT	471,175	36,525,975	77.52
	ADJUSTMENTS	-	752,546	-
	TOTAL	471,175	37,278,521	79.12
ALL PLANTS	SPOT	-	-	-
	CONTRACT	505,889	39,096,886	77.28
	ADJUSTMENTS	-	1,056,780	-
	TOTAL	505,889	$ 40,153,666	$ 79.37

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

SEPTEMBER 2016

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	6.30	9.23	12,693	2.11
MAYO	-	-	-	-
ROXBORO	6.07	8.49	12,798	2.41

Schedule 9

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

SEPTEMBER 2016

	ASHEVILLE	MAYO	ROBINSON	ROXBORO
VENDOR	Indigo	Greensboro Tank Farm	Selma Tank Farm	Greensboro Tank Farm
SPOT/CONTRACT	Spot and Contract	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0	0
GALLONS RECEIVED	13,200	152,235	22,285	129,530
TOTAL DELIVERED COST	$ 28,862	$ 211,199	$ 45,573	$ 179,700
DELIVERED COST/GALLON	$ 2.19	$ 1.39	$ 2.04	$ 1.39
BTU/GALLON	138,000	138,000	138,000	138,000

	SUTTON CC	WEATHERSPOON
VENDOR	Petroleum Traders	Petroleum Traders
SPOT/CONTRACT	Contract	Contract
SULFUR CONTENT %	0	0
GALLONS RECEIVED	260,294	14,867
TOTAL DELIVERED COST	$ 404,477	$ 22,202
DELIVERED COST/GALLON	$ 1.55	$ 1.49
BTU/GALLON	138,000	138,000

Note:

A price adjustment of $(5,134) for the Brunswick station and a price adjustment of $(8,815) for the Harris station are excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
October, 2015 - September, 2016
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,248,076	938	87.97	87.80
Brunswick 2	8,128,291	932	99.29	99.48
Harris 1	8,341,528	928	102.33	99.82
Robinson 2	6,295,835	741	96.73	93.10

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
October, 2015 through September, 2016
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,323,138	196	76.81	92.10
Lee Energy Complex	1B	1,357,301	195	79.20	93.61
Lee Energy Complex	1C	1,377,168	197	79.47	95.87
Lee Energy Complex	ST1	2,509,264	378	75.49	83.55
Lee Energy Complex	Block Total	6,566,871	967	77.32	89.88
Richmond County CC	7	1,166,990	172	77.22	85.99
Richmond County CC	8	1,158,595	170	77.46	86.44
Richmond County CC	ST4	1,317,093	169	88.64	86.23
Richmond County CC	9	1,389,990	193	82.01	91.79
Richmond County CC	10	1,392,364	193	82.15	91.46
Richmond County CC	ST5	1,818,947	248	83.38	87.60
Richmond County CC	Block Total	8,243,979	1,146	81.92	88.66
Sutton Energy Complex	1A	1,343,445	198	77.20	93.00
Sutton Energy Complex	1B	1,415,191	198	81.33	93.79
Sutton Energy Complex	ST1	1,701,325	265	73.02	92.37
Sutton Energy Complex	Block Total	4,459,961	662	76.76	92.89

Units in commercial operation for the full month are presented.
Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
October, 2015 through September, 2016

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,974,504	735	30.59	87.26
Roxboro 3	1,812,979	694	29.74	76.01
Roxboro 4	1,907,085	703	30.87	88.91

Units in commercial operation for the full month are presented.
Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
October, 2015 through September, 2016

Baseload Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Roxboro 2	2,899,950	672	49.14	88.80

Units in commercial operation for the full month are presented.
Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
October, 2015 through September, 2016
Other Cycling Steam Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville	1	650,715	190	38.90	76.80
Asheville	2	632,866	189	38.11	89.14
Roxboro	1	1,198,347	379	35.96	98.44

Units in commercial operation for the full month are presented.
Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
October, 2015 through September, 2016
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	176,335	343	92.61
Blewett CT	-75	59	97.63
Darlington CT	98,073	808	92.38
Richmond County CT	3,087,059	838	87.11
Sutton CT	-543	67	94.13
Wayne County CT	365,731	903	91.81
Weatherspoon CT	206	143	96.20

Units in commercial operation for the full month are presented.
Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary

October, 2015 through September, 2016

Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	97,563	27.0	74.20
Marshall	9,785	4.0	49.79
Tillery	216,301	84.0	98.41
Walters	319,461	113.0	82.65

Duke Energy Progress
Merger-Related Fuel Savings
Month Ending: **September 2016**
Dollars reported in ($)

		Gross Savings			Allocated Savings		DE Progress
		DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	SC Retail portion
1	Joint Dispatch	$ 2,194,953	$ 544,336	$ 2,739,289	$ 1,680,016	$ 1,059,273	$ 100,795
2	Coal Blending	535,798	-	535,798	330,995	204,803	19,488
3	Coal Procurement	2,447,866	2,037,096	4,484,962	2,751,620	1,733,342	164,935
4	Coal Transportation	1,749,971	2,563,154	4,313,125	2,644,760	1,668,365	158,752
5	Reagent Procurement & Transportation	232,112	137,184	369,296	226,386	142,910	13,599
6	By-products	131,250	96,245	227,495	139,365	88,130	8,386
7	Natural Gas Capacity	179,204	-	179,204	109,870	69,334	6,597
8	Natural Gas Trading	35,954	-	35,954	22,043	13,911	1,324
9	Nuclear Fuel	-	-	-	-	-	-
10	Other Fuel-related	-	-	-	-	-	-
		$ 7,507,108	**$ 5,378,015**	**$ 12,885,123**	**$ 7,905,056**	**$ 4,980,067**	**$ 473,876**
	Resource ratio %	61.33%	38.67%	100.00%			
	Allocation %						9.52%

Twelve Months Ending: **September 2016**

		Gross Savings			Allocated Savings		DE Progress
		DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	SC Retail portion
1	Joint Dispatch	$ 34,317,756	$ 6,022,340	$ 40,340,096	$ 23,952,208	$ 16,387,888	$ 1,712,973
2	Coal Blending	20,869,409	-	20,869,409	12,504,004	8,365,405	890,756
3	Coal Procurement	19,405,133	21,681,381	41,086,514	24,825,096	16,261,418	1,718,178
4	Coal Transportation	15,891,073	16,353,540	32,244,613	19,426,515	12,818,098	1,307,980
5	Reagent Procurement & Transportation	2,801,325	1,027,189	3,828,514	2,311,665	1,516,849	160,593
6	By-products	1,556,253	1,383,594	2,939,847	1,766,429	1,173,418	121,709
7	Natural Gas Capacity	22,947,208	-	22,947,208	13,696,674	9,250,534	963,194
8	Natural Gas Trading	431,448	-	431,448	258,469	172,979	17,987
9	Nuclear Fuel	9,800	-	9,800	5,983	3,817	358
10	Other Fuel-related	-	-	-	-	-	-
		$ 118,229,405	**$ 46,468,044**	**$ 164,697,449**	**$ 98,747,042**	**$ 65,950,407**	**$ 6,893,727**

Total-to-date: **September 2016**

		Target	Gross Savings			Allocated Savings		DE Progress
			DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	SC Retail portion
1	Joint Dispatch	$ 318,955,000	$ 129,519,935	$ 82,212,635	$ 211,732,570	$ 128,638,461	$ 83,094,109	$ 9,097,789
2	Coal Blending	259,800,000	168,799,567	-	168,799,567	102,777,123	66,022,444	7,303,100
3	Coal Procurement	45,950,000	63,042,720	63,227,849	126,270,569	76,785,759	49,484,810	5,454,036
4	Coal Transportation	30,395,000	52,493,474	47,607,321	100,100,795	60,826,734	39,274,061	4,296,355
5	Reagent Procurement & Transportation	12,800,000	10,396,630	5,225,779	15,622,409	9,502,222	6,120,187	671,173
6	By-products		4,522,765	5,792,976	10,315,741	6,254,853	4,060,888	444,838
7	Natural Gas Capacity	16,900,000	74,382,942	-	74,382,942	44,562,328	29,820,614	3,220,295
8	Natural Gas Trading	2,000,000	1,833,654	-	1,833,654	1,116,247	717,407	78,678
9	Nuclear Fuel		62,300	7,397,198	7,459,498	4,636,765	2,822,733	317,694
10	Other Fuel-related	35,000,000	6,662,997	-	6,662,997	4,179,784	2,483,213	296,963
		$ 721,800,000	**$ 511,716,984**	**$ 211,463,758**	**$ 723,180,742**	**$ 439,280,275**	**$ 283,900,467**	**$ 31,180,921**